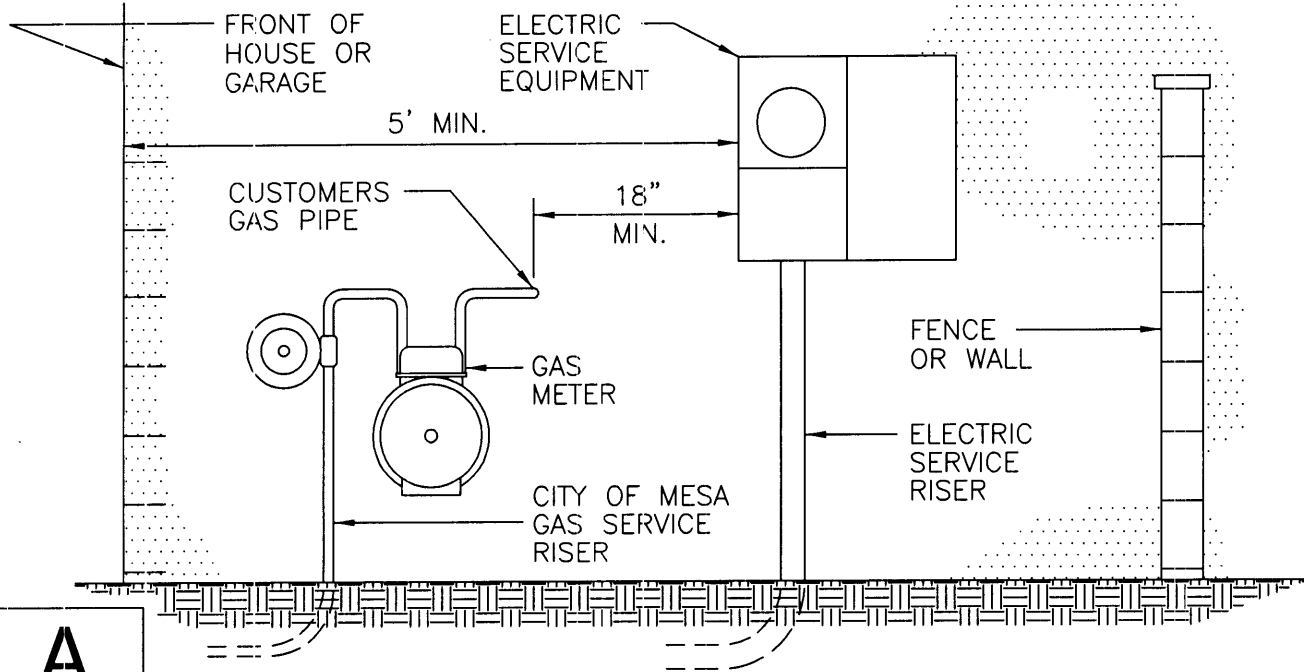


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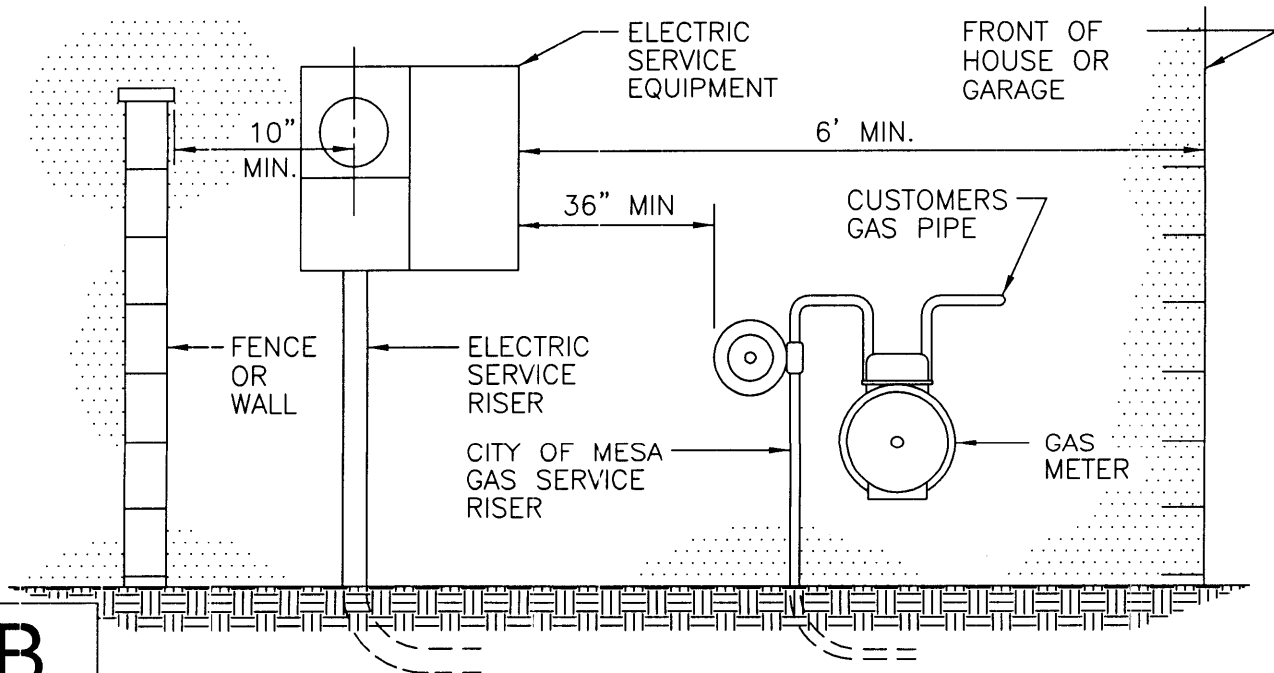
GAS METER LOCATIONS
CLEARANCE REQUIREMENTS

DRAWN BY: E. SURCHIK	
DESIGNER: S. SCHUPFER	
APPROVED: S. SCHUPFER	
DATE: 5/26/99	REV: 3/08

GD-1.3



A
EXAMPLE



B
EXAMPLE

NOTE:

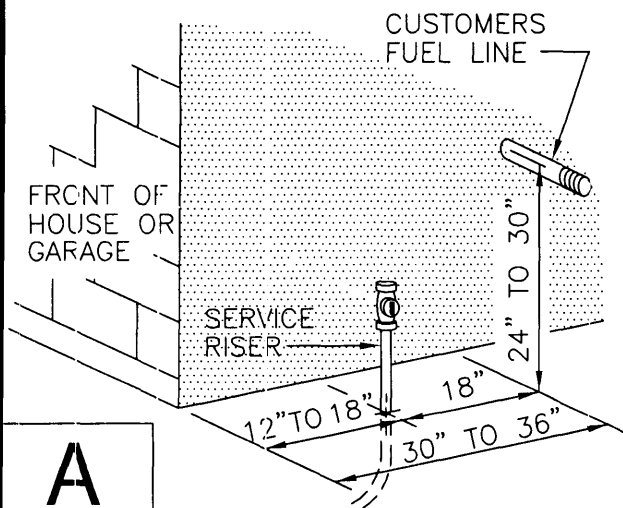
FOR GAS METER DIMENSIONS SEE CITY OF MESA DETAIL GD-1.5.

**CITY OF MESA
ENGINEERING DEPARTMENT**

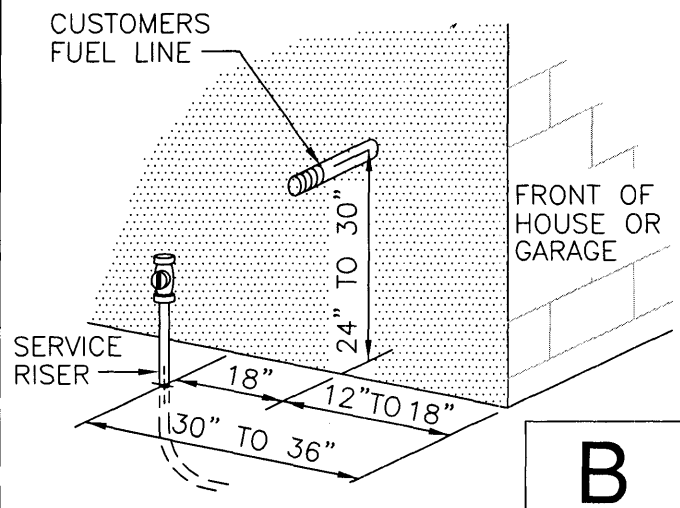
**TYPICAL GAS METER AND
ELECTRIC PANEL LOCATION**

DRAWN BY: S. STRABLE
DESIGNER: S. SCHUPFER
APPROVED: S. SCHUPFER
DATE: 4/3/89 | REV: 3/26/08

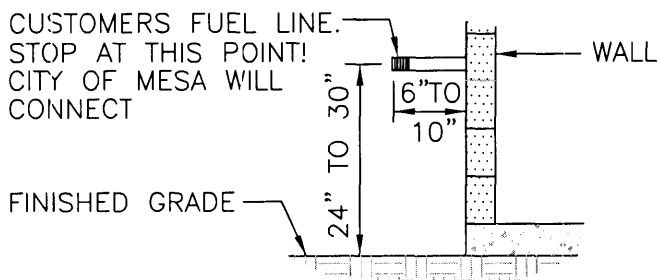
GD-1.4



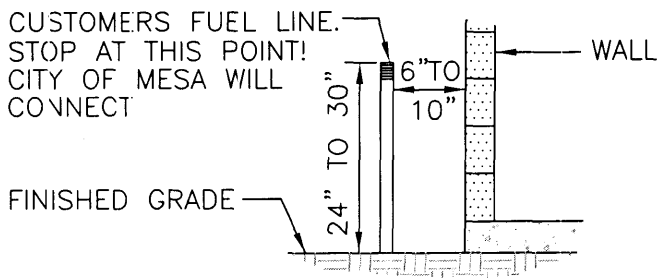
A
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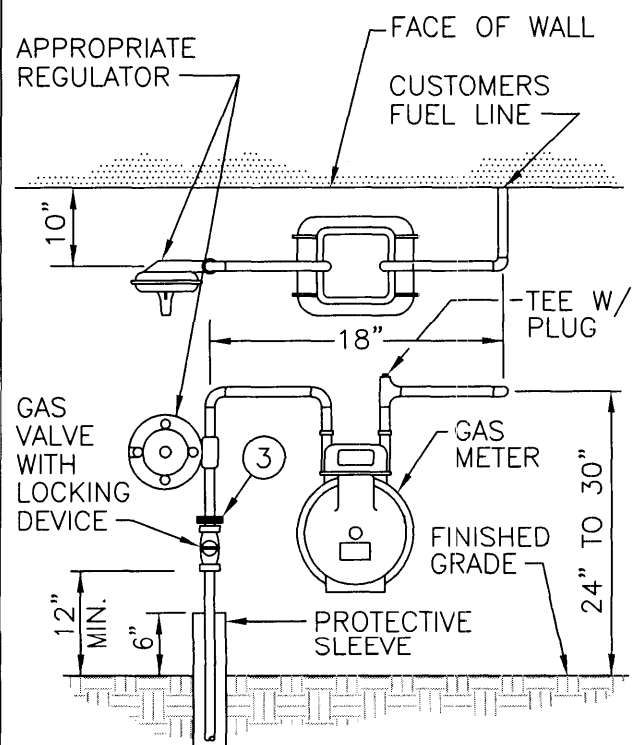
B
EXAMPLE



PIPE THRU WALL DETAIL



PIPE THRU GROUND DETAIL



PLAN / PROFILE

CITY OF MESA
ENGINEERING DEPARTMENT

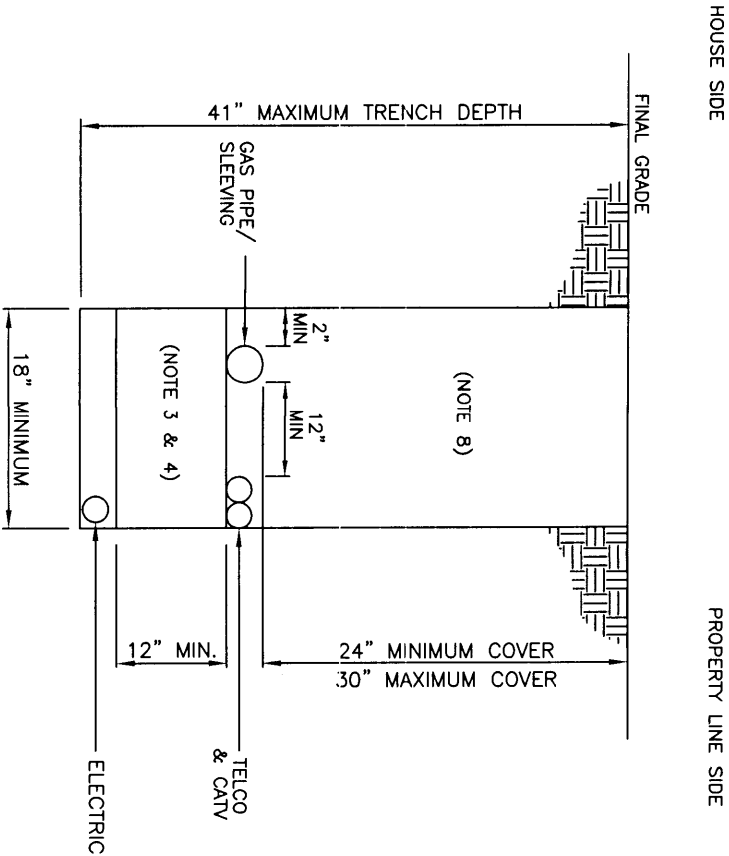
TYPICAL PIPING FOR
RESIDENTIAL GAS METER SETS

DRAWN BY: E. SURCHIK
DESIGNER: S. SCHUPFER
APPROVED: S. SCHUPFER
DATE: 4/3/89 | REV: 3/26/08

GD-1.5

NOTES:

- 1 IF GAS METER IS SUBJECT TO VEHICULAR TRAFFIC OR AN RV GATE IS ADJACENT TO METER, CUSTOMER SHALL FURNISH AND INSTALL GUARD POST PER CITY OF MESA DETAIL GD-1.3.
- 2 IF THE ELECTRIC PANEL IS LOCATED ON THE SAME SIDE OF HOUSE AS THE GAS METER, SEE CITY OF MESA DETAIL GD-1.4.
- 3 EFV WASHER MAY BE REQUIRED. REFER TO CITY OF MESA DETAIL GD-3.12 FOR EFV INSTALLATION DETAILS.



TRENCH DETAIL

- * SLEEVING MATERIAL MUST BE POLYETHYLENE OR PVC, YELLOW, IN COLOR, MINIMUM DIAMETER OF 2" AND HAVE IDENTIFICATION/PRINT LINE STATING "GAS SLEEVING".
- * THE TRENCH OR SLEEVING PROVIDED MUST BE CONTINUOUS AND A NEARLY DIRECT PATH FROM WITHIN 2' OF CUSTOMER GAS PIPING TO WITHIN 2' OF CITY OF MESA GAS MAIN/SERVICE STUB.

NOTES

1. THE BUILDER/DEVELOPER IS RESPONSIBLE TO PROVIDE A TRENCH OR APPROVED GAS SLEEVING (*) FROM THE CITY OF MESA GAS MAIN/SERVICE STUB TO THE CUSTOMERS PIPING AT THE BUILDING (**). REMEMBER TO NOTIFY THE ARIZONA BLUESTAKE CENTER PRIOR TO ANY EXCAVATION (G11) AND TO MANUALLY EXPOSE ALL IDENTIFIED UTILITIES.
2. THE GAS SERVICE PIPING WILL BE INSTALLED BY CITY FORCES. A COMMON OR JOINT TRENCH IS ALLOWED, HOWEVER, ALL REQUIREMENTS FOR COVER, SEPARATION AND BACKFILL APPLY PER DETAIL.
3. COMPACTION ABOVE ELECTRIC SHALL BE 85%-90% OF MAXIMUM BACKFILL SOIL DENSITY PER ASTM D698, AT OR NEAR OPTIMUM MOISTURE. MECHANICAL COMPACTION IS NOT ALLOWED WITHIN 6" OF ELECTRICAL CONDUIT. CONTACT ELECTRIC COMPANY FOR INSPECTION.
4. BEDDING OR SHADING MATERIAL ADJACENT TO THE CITY OF MESA GAS PIPE SHALL BE SELECT SANDY TYPE SOIL FREE OF ROCK OR DEBRIS THAT WILL PASS THROUGH A 3/8" SCREEN AS INSPECTED AND APPROVED BY THE CITY GAS INSPECTION PERSONNEL.
5. IN A JOINT TRENCH APPLICATION, AFTER THE ELECTRIC SERVICE HAS BEEN INSTALLED AND COMPACTION ACCEPTED BY THE ELECTRIC COMPANY, THE CITY OF MESA WILL FURNISH AND INSTALL THE GAS PIPE, TRACER WIRE AND SHADING AROUND THE GAS PIPE.
6. IN A NON-JOINT TRENCH APPLICATION, ALL NOTES APPLY EXCLUDING NOTES 5 AND 7.
7. A MINIMUM OF 12" OF RADIAL SEPARATION SHALL BE MAINTAINED BETWEEN GAS PIPE, ELECTRIC CONDUIT AND ANY OTHER UNDERGROUND FACILITIES.
8. THE GAS PIPE/SLEEVING SHALL HAVE A MINIMUM OF 24" OF COVER AND A MAXIMUM OF 30" OF COVER AS MEASURED FROM FINAL GRADE. THE CONTRACTOR PROVIDING THE TRENCH SHALL COMPLETE ALL BACKFILL TO FINAL GRADE AFTER THE GAS PIPE/SLEEVING AND OTHER UTILITY INSTALLATION IS COMPLETED.

CITY OF MESA
ENGINEERING DEPARTMENT

TYPICAL RESIDENTIAL SERVICE
TRENCH DETAIL

DRAWN BY: E. SURCHIK	
DESIGNER: S. SHERWOOD	
APPROVED: B. WILLIAMS	
DATE: 6-27-00	REV: 3/27/08

GD-3.9